



IDT's CrashCam™ with integrated storage: 8GB DDR and optional solid-state non-volatile memory of up to 0.5TB. The CrashCam™ is a rugged, sealed, high G and vibration rated camera product designed for use (not exclusively) in harsh, Automotive testing environments. Latest CMOS sensor technology produces extremely low-noise images with up to 12-bit mono or 36-bit color. Support for several sensor platforms to deliver various resolutions and frame rates. Power supply and break-out cable for easy out-of-the-box operation are included.

## KEY FEATURES

|  |                                |
|--|--------------------------------|
| Maximum Resolution                       | 1440 x 1024                    |
| Maximum FPS @ Maximum Resolution         | 4,000 fps                      |
| Image Storage @ Max Frame Rate (DDR 8)   | 4,440                          |
| Image Storage @ Max Frame Rate (SSD 256) | 145,844                        |
| Streaming FPS @ Max Resolution           | 127 fps                        |
| Maximum FPS                              | 124,000 @ 1440 x 16            |
| Minimum Exposure Time                    | 1µs                            |
| Sensitivity ASA/ISO                      | 30000 ASA Mono 10000 ASA Color |
| Power Requirements                       | 18-36 VDC                      |
| Operating Temperature                    | -40+50 °C / -40+104 °F         |

## SENSOR

|                     |                          |
|---------------------|--------------------------|
| Sensor Type         | CMOS - Proprietary       |
| Sensor Size         | 11.1 x 7.8 mm            |
| Sensor Format       | 1.3 inch                 |
| Pixel Size (micron) | 7.7x7.7 µm               |
| Pixel Depth         | 12 bit mono 36 bit color |

## INPUTS

|               |   |
|---------------|---|
| Trigger       | TTL & Switch/Circular buffer with on-camera or software trigger |
| Sync          | Phase-lock TTL  |
| GPS Time Code | Optional  |

## OUTPUTS

|       |                     |
|-------|---------------------|
| Sync  | Frame sync / Strobe |
| HDSDI | Standard            |

## FEATURES

|                                |   |
|--------------------------------|---|
| Approx. Size                   | 63 x 63 x 87 mm (W x H x L)             |
| Approx. Weight                 | 0.69 kg or 1.52 lbs                     |
| Shock/Vibration Rating         | Shock: 200G / Vibration: 40G - All axes |
| Battery Powered Operation Time | Optional                                |
| Mount                          | C-Mount standard , F Adaptor optional   |

## SOFTWARE

|                       |  |
|-----------------------|--|
| Motion Studio         | Windows 32/64                                    |
| Motion Inspector      | Windows 32/64 - MAC OS X - Apple iOS             |
| Plug-ins/SDK          | SDK, LabVIEW™ or MatLab®                         |
| File Formats          | Proprietary RAW                                  |
| On-the-fly Conversion | TIF, BMP, JPG, PNG, AVI, MPG, TP2, MOV, MRF, MCF |

## COMMUNICATION

|          |           |
|----------|-----------|
| Ethernet | 1000BaseT |
|----------|-----------|